

TRET'YAKOVA, N.Ya., kandidat tekhnicheskikh nauk.

Effect of separate testing parameters on the degree of shrinkage in
staple fabrics and methods of determining this degree. Standartizatsiya
no.3:62-68 My-Je '56. (MLRA 9:9)
(Textile fabrics--Testing)

KOLESMIKOV, P.A.; SHPAYER, A.M.; TRET'YAKOVA, N.Ya. (Moskva)

The "R-5" relaxometer for determining the deformation components
of fabrics. Shvein.prom. no.5:34-37 S-0 '62. (MIRA 15:10)
(Textile fabrics--Testing)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9

TROPPIVAYA, V. M.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9"

BYKHOVSKIY, M.L., doktor tekhn.nauk; BADULIN, S.S., kand.tekhn.nauk
DOROZOV, K.K., inzh.; SGIBNEV, A.V., inzh.; TRET'YAKOVA, N.I.,
inzh.

Investigating the precision of amplifiers of intermediate
frequency. Nauch.dokl.vys.shkoly; mash.i prib. no.2:162-173
'58. (MIRA 12:10)

1. Predstavлено Московскими высшими техническими училищами им.
Баумана.

(Amplifiers, Electron tube—Testing)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9"

RABINOVICH, I.B.; NIKOLAYEV, P.N.; GOCHALIYEV, E.E.; TRET'YAKOVA, N.N.

Isotopic effect on the liquid-vapor equilibrium of binary systems
containing deuterium compounds. Dokl. AN SSSR 110 no.2:241-244
S '56. (MLRA 9:12)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I. Lobachevskogo.
Predstavлено академиком А.Н. Фрумкиным.
(Phase rule and equilibrium)
(Deuterium compounds)

TRET'YAKOVA, Nina Yakovlevna. Prinimal uchebniye FODIMAN, L.V.
MODESTOVA, T.A., dotsent, kand.tekhn.nauk, retsenzent;
RUSAKOV, S.I., dotaent, kand.tekhn.nauk, nauchnyy red.;
GABOVA, D.M., red.; KNAKNIN, M.T., tekhn.red.

[Guide for textiles used in clothing manufacture (textile fibers;
mechanical and chemical data on fibrous materials)] Materialovedenie
shveinogo proizvodstva. (Tekstil'nye volokna; kratkaiia mekhanika
cheskaiia i khimicheskaiia tekhnologiiia voloknistykh materialov).
Moskva, Izd-vo nauchno-tekhn.lit-ry RSNSR, 1960. 231 p.
(MIRA 13:11)

(Textile fibers) (Clothing industry)

USSR / Cultivated Plants. Fodder Crops.

M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58655

Author : Pleshko, S. I.; Tret'yakova, O. I.
Inst : Institute of Animal Breeding, Acad. Sci. Tadzh SSR
Title : Experimental Cultivation of Fodder Cabbage on Non-
Irrigated (Bogara) Soils in Tadzhikistan

Orig Pub : Izv. otd. yestestv. nauk AN Tadzh SSR, 1957, No 18,
141-162

Abstract : Work conducted in the experimental field of the Institute
of animal breeding, Acad. Sci. Tadzhik SSR, showed the
possibility of obtaining high yields of fodder cabbage
on moistened "bogara" soils in Tadzhikistan. Fodder
cabbage, when sown just before winter in the Gissar valley,
produces a yield of green mass of up to 300 cwt/ha.
Sowing in October-November, directly in the soil, gives
better results than sowing by using the pricking off

Card 1/2

95

PLESHKO, S.I.; TRET'YAKOVA, O.I.

Cultivating feed cabbage on dry-farming lands in Tajikistan. Izv.
Otd. est. nauk AN Tadzh.SSR no. 18:141-161 '57.
(Tajikistan--Cabbage) (MIRA 11:8)

1. TRET'YAKOVA, O. I.

2. USSR (600)

4. Crickets

7. Harm done to vine crops by the steppe cricket. Soob.TFAN SSSR, no. 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LOZHKO MOYEVA, A.D.; TRESTMAN, A.G.; LEONT'YEVA, R.S., mladshiy nauchnyy sotrudnik; PODOLYAN, A.P.; TRET'YAKOVA, O.I.. Prinimali uchastiye: PAVLOVA, I.A., inzh.; GORYACHEVA, G.A., starshiy tekhnik; SELI-VERSTOVA, Z.P., starshiy tekhnik; FEDOSOVA, M.I., tekhnik; GORSHKOVA, M.I., tekhnik; KOPEYKA, V.K., tekhnik; TIMOFEEVA, V.F., tekhnik; KOSINOVA, Z.I., tekhnik. GONCHAROV, Ye.P., otv. red.; USHAKOVA, T.V., red.; SERGEYEV, A.N., tekhn.red.

[Agroclimatic reference book on the Tajik S.S.R.] Agroklimati-cheskii spravochnik po Tadzhikskoi SSR. Leningrad, Gidrometeor. izd-vo, 1959. 151 p.

(MIRA 13:2)

1. Stalinabad. Gidrometeorologicheskaya observatoriya. 2. Sta- linabadskaya gidrometeorologicheskaya observatoriya Upravleniya gidrometeorologicheskoy sluzhby Tadzhikskoy SSR (for Lozhkomoyeva, Trestman, Podolyan, Tret'yakova). 3. Institut pochvovedeniya AN Tadzhikskoy SSR (for Leont'yeva).
(Tajikistan--Crops and climate)

1. TRETYAKOVA O.I.

2. USSR (600)

4. Vine Crops-Diseases and Pests

7. Harm done to vine crops by the steppe cricket, Soob. TFAN SSSR no.28, 1950.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

TRET'YAKOVA, O. N., Lect., Cand. of Vet. Sci.
Dept. of Parasitology, Troitsk Vet. Institute.
"Treatment of illness of horses caused by Psoroptes with
powder from fusion of sulfur and naphthaline.
SO: Vet. 24 (3), 1947, p 7

COUNTRY : USSR R
CATEGORY : Diseases of Farm Animals. Diseases Caused
by Helminths
ABS. JOUR. : RZhBiol., No. 6 1959, No. 25981

AUTHOR : Gret'yakova, O. N.; Peofunova, A. A.
INST. : Bashkir Agricultural Institute
TITLE : Histological Changes of the Eye of the Horse in
Thelaziasis. Preliminary Report

ORIG. PUB. : Tr. Bashkirsk. s.-ka. in-ta, 1957, 8, No 2, khil-
khi?
ABSTRACT : In thelaziasis of horses, destructive and inflam-
matory changes take place in the conjunctiva.
Also, inflammatory changes are observed in the
cornea, which lead to the development of ulcers
with their subsequent cicatrization; in individ-
ual cases, melanosis may be observed in the
cornea in the cicatricial area. An inflammatory
process develops in the lacrimal glands, leading

CARD:

1/2

21

COUNTRY :	R
CATEGORY :	
ARS. JOUR. :	RZhBiol., No. 6 1959, No. 25901
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd.	to sclerosis. Thelaziae localize in the lumen of the lacrimal tubules. Invading the eye, Thelaziae produce in it deep, pathological changes which not infrequently result in complete loss of vision and disability of the horse.-- From the authors' summary.
CARD:	2/2

Translation from: Referativnyy zhurnal, Geografiya, 1957, Kr 6,
p 126 (USSR) 14-57-6-12648

AUTHOR: Tret'yakova, O. N.

TITLE: Thelazia lacrymalis on Horses of the Bashkir ASSR.
Preliminary Report (Telyazicz loshadey v Bashkirskoy
ASSR. Predvaritel'noye soobshcheniye)

PERIODICAL: Tr. Bashkirsk. s.-kh. in-ta, 1956, Vol 7, pp 172-174

ABSTRACT: Up to the present, Thelazia lacrymalis has been known
to afflict only horses in the Ukraine, Azerbaijan,
and the Far East. The author recently discovered it
on horses in Bashkiria; its infection incidence had
reached 17.4 percent. Thelazia lacrymalis is also
infecting large horned cattle there.

Card 1/1

No name

TRET'YAKOVA, O. N.

Tret'yakova, O. N. - "Two new helminths of birds of chelyabinsk Oblast - Philophtalmus muraschkinzowi and Tatria skriabini nov. sp.", Sbornik rabot po gel'mintologii (Vsesoyuz. in-ta gel'mintologii im. akad. Skryabina), Moscow 1948, p. 232-36.

SO: U-3042, 11 March 1953, (letopis 'nykh Statey, No. 10, 1949).

PLAKSIN, I.N., otv. red.; GLEMBOTSKIY, V.A., doktor tekhn. nauk, zam. otv. red.; KLASSEN, V.I., doktor tekhn. nauk, red.; OKOLOVICH, A.M., kand. tekhn.nauk, red.; TRET'YEKOV, O.V., red.; BANSKIY, L.A., kand. tekhn. nauk, red.; MAKOVSKIY, G.M., red. izd-va; GOLUB', S.P., tekhn. red.

[Ore dressing and coal preparation in the Kazakh S.S.R.; transactions of the out-of-town session in Balkhash and Karagenda, of the Section on Mineral Dressing of the Learned Council of the A.A.Skochinskii Mining Institute (November-December 1960)] Zadachi obogashcheniya rud i uglei Kazakhskoi SSR; trudy vyezdnoi sessii sektsii obogashcheniya poleznykh iskopayemykh Uchenogo soveta Instituta i gornogo dela im. A.A.Skochinskogo v gorodakh Balkhashe i Karagende, noiabr'-dekabr' 1960 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 173 p. (MIRA 15:10)

1. Chlen-korrespondent Akademii nauk SSSR (for Plaksin).
 2. Institut gornogo dela im. A.A.Skochinskogo (for Plaksin, Gembotskiy, Okolovich, Klassen).
- (Ore dressing) (Coal preparation)

TRET'YAKOVA, O. V.

"The Motility of Nerve Processes and Its Development by Training
in Fish, Reptiles, and Birds." Cand Biol Sci, Leningrad State Pedagogical
Inst, Leningrad, 1953. (ZKhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

TRET'YAKOVA, O.V.

Mobility of neural processes in fishes, turtles and birds. Trudy Inst.
fiziolog. no.2:418-432 '53. (MLRA 7:5)

1. Laboratoriya srovnitel'noy fiziologii vysashay nervnoy deyatel'nosti
i Kafedra anatomi i fiziologii cheloveka i zhivotnykh Pedagogicheskogo
instituta im. A.I.Gertsena (zaveduyushchiy - L.G.Voronin).
(Nervous system--Fishes) (Nervous system--Reptiles)
(Nervous system--Birds) (Turtles)

BERKOVICH, T.M.; ISAYEVA, O.A.; NOVIKOVA, D.A.; KRUNYA, Z.F.; LEVICHEVA, M.M.;
TRET'YAKOVA, R.K.; BYKOVA, K.M.

Study of combined processes of heat and moisture treatment of
asbestos-cement sheets for N.I.Ershov's unlined mechanized
production-line units. Trudy NIIAsbestsementa no.15:38-56
'62. (MIRA 16:7)

(Asbestos cement)

TRETYAKOVA, R.Ya.

Pathological picture of the olfactory organ in influenza.
Trudy gos.nauch.-issl.inst.ukha, gorla i nosa. 6:150-156
'55. (MIRA 12:10)

1. Iz otdela morfologii (zav. - prof.Ya.A.Vinnikov) Gosudar-
stvennogo nauchno-issledovatel'skogo instituta ukha, gorla i
nosa. (OLFACTORY NERVE--DISEASES) (INFLUENZA)

TRETYAKOVA, R.YA.

REPRODUCED BY MICROFILM
TREMINABLE EXPERIMENTAL SARCOMA OF RAT PRODUCED BY
INJECTION OF 3,4,8,9-DIBENZOPYRENE. R. Ya. Tret'yakova.
Med. Inst., Smolensk). Byull. Akad. Nauk. Med. Nauk.
1961, No. 11(1941). - 3,4,8,9-Dibenzopyrene in 1% olive oil
solution was injected (0.2 cc.) into sex glands of male rats,
after 3 days another injection of 0.1 cc. was made. After
death of 10 of 18 animals in 3 months, 1 of the remaining
developed a sarcoma and was killed after 13 months.
The sarcoma was characterized by the variety of cellular
forms. It was transplanted successively and carried
through 11 generations. All resulting sarcomas had the
same polymorphic character as the original growth. A
high percentage of the animals died after the necessary
operations, av. life span being 4-10 weeks. G. M. K.

TRET'YAKOVA, N.Ya.

Structure of the laryngeal cartilages. Arkh. anat., Moskva 30 no.6:
65-71 Nov-Dec 1953. (CIML 25:5)

1. Of the Scientific-Research Institute of the Ear, Throat, and Nose
(Director -- Honored Worker in Science Prof. V. K. Trutnev; Scientific
Supervisor -- Prof. Ya. A. Vinnikov).

TRETYAKOVA, R.Ya.

U.S.S.R. / General Problems of Pathology. Tumors.

I-5

Abs Jour : Ref. Zh.-Biol., No 2, 1958, No 7803

Author : Tretyakova R, Ya., Kanevskiy, V.L.

Inst :

Title : Adenomas of the Trachea.

Orig Pub : Tr. Gos. N.-I. In-ta. UKha, Gorla i Nosa, 1956, VYP. 7,
202-206

Abstract : No abstract.

Card : 1/1

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CIA-RDP86-00513R001756610006-9"

TRET'YAKOVA, R. Ya., kand. med. nauk; ANTONOVA, N. A., mlad. nauch. sotrud.

Brill-Symmers disease with localization in the nose and nasopharynx.
Vest. otorin. no. 3:82-84 '61. (MIRA 14:12)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta ukha,
gorla i nosa dir. - zasluzhennyy deyatel' nauki prof. V. K. Trutnev
[deceased], Ministerstva zdravookhraneniya RSFSR, Moskva.

(LYMPHATICS—TUMORS)

TRET'YAKOVA, S.I.

Energy expenditure in students of trade schools (machinists).
Vop.pit. 15 no.6:22-25 N-D '56. (MLRA 9:12)

1. Iz kafedry gigiyeny (zav. - dotsent L.N.Krepkogorskiy) Kazanskogo
instituta usovershenstvovaniya vrachey imeni V.I.Lenina.

(ENERGY,

expenditure in trade school students (Rus))

(SCHOOLS,

energy expenditure in trade school students (Rus))

KAPUSTSIK, A.; PERELYGIN, V.P.; TRET'YAKOVA, S.P.

[Efficiency of determining nuclear fission fragments
with the aid of glass and mica] Effektivnost' regist-
ratsii aktov deleniia iader s pomoshch'iu stekla i sliudy.
Dubna, Ob"edinennyi institut iadernykh issledovanii, 1963.
(MIA 17:1)

8 p.

(Nuclear fission)

PERELEVGIN, V.P.; TRET'YAKOVA, S.P.

Radiography of spontaneous nuclear fission. Prib. i tekhn. ekspl.
8 no.5:73-74 S-0 '63. (MIRA 16:12)

1. Ob"yedinennyj institut yadernykh issledovaniy.

PEREYGIN, V.P.; TRET'YAKOVA, S.P.

Half life of a spontaneously fissioning isomer. Zhur. eksp. i
teor. fiz. 45 no.4:863-866 O '63. (MIRA 16:11)

1. Ob'yedinennyj institut yadernykh issledovaniy.

PERFLYGIN, V.P.; TRLET'YAKOVA, S.P.; ZVARA, I.

Recording nuclear fission with the aid of amorphous media
containing SiO₂. Prib. i tekhn. eksp. 9 no.4:78-80 Jl-Ag '64.
(MIRA 17:12)
1. Ob'yedinennyj institut yadernykh issledovaniy.

KAPUSTSIK, A.; PERELYGIN, V.P.; TRET'YAKOVA, S.P.

Efficiency of recording nuclear fission events with the aid
of glass and mica. Prib. i tekhn. eksp. 9 no.5(72.73) S.O '64.
(MERA 17:12)
1. Ob'yedinennyj institut Yadernykh issledovaniy.

TRET'YAKOVA, S. P.

L 13218-65 ENT(m)/CNP(t)/SMP(b) DIAM/P/IJP(c)/AFWL JD/DM
ACCESSION NR: AP4047420 S/0089/64/017/004/0310/0312 2

AUTHORS: Flerov, G. N.; Oganesyan, Yu. Ts.; Lobanov, Yu. V.; Kuznetsov, V. I.; Druin, V. A.; Perelygin, V. P.; Gavrilov, K. A.; Tret'yakova, S. P.; Plotko, V. M.

TITLE: Synthesis and physical identification of the isotope of the 104th element with mass number 260

SOURCE: Atomnaya energiya, v. 17, no. 4, 1964, 310-312

TOPIC TAGS: transuranium element, half life, spontaneous fission

ABSTRACT: In view of the fact that earlier estimates yielded a wide range of values for the half-life of the isotope $^{104}_{\text{Zr}}{}^{260}$, whereas experiments have shown that the element $^{102}_{\text{Ru}}$ experiences spontaneous fission with a half-life of 1500 seconds, the authors developed a procedure for indicating the spontaneous fission, for use in searches

Cord 1/3

L 13218-55
ACCESSION NR: AP4047420

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for the 104th elements. The experiments were made with the internal beam of a 300-cm heavy-ion cyclotron. The target was Pu²⁴² and Ne²² ions were used for bombardment, so that the investigated reaction was Pu²⁴²(Ne²², 4n)104²⁶⁰. The equipment consisted essentially of a variable-speed belt conveyor to transport the reaction products from the target to the detectors. The fragment detectors were silicate and phosphate glasses. The distribution of the tracks over the detectors yields information on the lifetime of the nuclei synthesized in the reactions. The results of the experiments yielded a half-life of 0.3 ± 0.1 sec for the 104 element with mass number 260 under spontaneous fission. The correctness of the results was checked by examining the form of the excitation function, the cross sections at the maximum, and the lack of an effect in control experiments with other particles and other targets. "The authors thank A. F. Linev, A. N. Filipson, I. A. Shelayev, and the cyclotron crew for reliable operation of the cyclotron, S. M. Polikanov and Ye. D.

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L 13218-65
ACCESSION NR: AP4047420

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Donets for a discussion of the experimental results, and OyYaI director Professor D. I. Blokhintsey and the State Committee on the Use of Atomic Energy in the USSR for support of the work." Orig. art.
has: 3 figures.

ASSOCIATION: None

SUBMITTED: 29Aug64

ENCL: 00

SUB CODE: NP, JC

NR REF SOV: 008

OTHER: 005

Card 3/3

9.423/
S/024/61/000/002/012/014
E140/E163

AUTHORS: Kalmykova, S.S., Tret'yakova, S.S., and Shestopalov, V.P.
(Khar'kov)

TITLE: Propagation of electromagnetic waves in a modified
contra-wound helix enclosed in a cylindrical waveguide

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Energetika i avtomatika, 1961, No.2, pp.159-164

TEXT: The article considers the contra-wound helix proposed
in Refs. 1 and 2 (Ref. 1: S.S. Kalmykova, V.P. Shestopalov, DAN SSSR,
1960, No.4, 133. Ref. 2: C.K. Birdsall and T.E. Everhart. Contra-
wound helix circuit for high power traveling wave tubes. IRE Trans.
Electr. Devices, 1956, ED-3, 4), enclosed in a shield. Curves are
given for the dispersion, delay, group velocity as a function of
frequency, and power transfer. It is found that the waveguide
screen increases the delay, decreases dispersion and improves the
bandwidth of the system; the group velocity of the slow electro-
magnetic waves is further decreased; the impedance of the zero
harmonic in the screen helix is increased by comparison with the
unscreened helix; the ratio of impedance at the zero- and

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/B

S/024/61/000/002/012/014
E140/E163

B

Propagation of electromagnetic waves in a modified contra-wound helix enclosed in a cylindrical waveguide

higher-order harmonics decreases as the screen comes nearer and as the frequency increases.

There are 7 figures and 5 references; 3 Soviet and 2 English. The English language references read as follows:

Ref. 2: as above.

Ref. 3: M. Chodorow and E.L. Chu. Cross-wound twin helix for traveling-wave tubes. J.Appl.Phys., 1955, 26, No.1.

SUBMITTED: July 6, 1960

Card 2/2

TRET'YAKOVA, S.S. (Khar'kov); SHESTOPALOV, V.P. (Khar'kov)

Propagation of electromagnetic waves in a modified helix with a contra-wound winding located in a cylindrical wave guide. Izv.AN
SSSR.Otd tekhn.nauk.Energ.i avtom. no.2:159-164 Mr-Ap '61.
(MIRA 14:4)

1. Khar'kovskiy gosudarstvennyy universitet.
(Wave guides)

control of plane-parallel layer characteristics.

For this purpose they used a symposium po distantsii sredy i vysokochastotnoi

radiofizika i radiofizika, 1960, No. 10, p. 2150-2153.

and the following conclusions were drawn:

characteristics by means of gratings applied to the end surfaces of the layer. They distinguished cases with the string-like regular arrangement of the gratings and surface gratings.

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start to all uses, the field becomes periodic inside
with an initial value of 1.0. The field is zero outside.

NO REFERENCE

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CIA-RDP86-00513R001756610006-9"

L 3827-66 EWT(1) GG
ACCESSION NR: AP5017659

UR/0109/65/010/007/1233/1243
539.124.175

84
60
B
44/85

AUTHOR: Tret'yakov, O. A.; Tret'yakova, S. S.; Shestopalov, V. P.

TITLE: Radiation of electromagnetic waves by a beam of electrons traveling over
a diffraction grating [Reported at the 3rd All-Union Symposium on Wave
Diffraction, Tbilisi, Sep 64]

SOURCE: Radiotekhnika i elektronika, v. 10, no. 7, 1965, 1233-1243

TOPIC TAGS: electromagnetic wave generation

ABSTRACT: A rigorous solution is offered of the problem of electromagnetic waves generated by an idealized unbounded flat monochromatic beam of electrons traveling, at a constant speed, over a diffraction grating; the latter consists of infinitely thin metal strips of arbitrary width. As the beam represents a periodically charged plane, the unknown radiation is conveniently described by a Fourier series. By specifying exact boundary conditions for the field, Fourier coefficients are determined. The resulting boundary electrodynamic problem is reduced to a Riemann-Gilbert problem. The latter's scoultion yields an infinite

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L 3827-66

ACCESSION NR: AP5017659

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system of linear algebraic equations for the Fourier coefficients (radiation spectrum), which is very convenient for handling by computer. The results permit determining the electromagnetic field at any point, with a specified accuracy, for any relation between the wavelength, grating period, and strip width. General formulas for the electromagnetic field can be used for determining the connection between the wavelength and the direction of radiation. "The authors wish to thank F. G. Bass, V. I. Gayduk, S. P. Kapitsa, K. I. Krylov, M. I. Kuznetsov, G. Ya. Levin, A. S. Tager, and A. M. Kharchenko for a useful discussion." Orig. art. has: 3 figures and 50 formulas.

ASSOCIATION: none

SUBMITTED: 31Jul64

ENCL: 00

SUB CODE: EM

NO REF SOV: 003

OTHER: 003

mlr
Card 2/2

TRETYAKOV, S.S.; TRET'YAKOV, G.A.; SHESTOPALOV, V.P.

Radiation of electromagnetic waves by electron beams moving through
a circular wave guide. Izv.vys.schub.zav.; radiofiz. 8 no.3:552-560
'65. (MIRA 18:8)

1. Khar'kovskiy inzhitet gornogo mashinostroyeniya, avtomatiki
i vychislitel'noy tekhniki.

L 6350-66 EWT(1) GG

ACC NR: AP5020368

SOURCE CODE: UR/0141/65/008/003/0552/0560

AUTHOR: Tret'yakova, S. S.; Tret'yakov, O. A.; Shestopalov, V. P.

ORG: Kharkov Institute of Mining Machinery, Automation and Computer Engineering
(Kar'kovskiy institut gornogo mashinostroyeniya avtomatiki i vychislitel'noy
tekhniki)

TITLE: The investigation of electromagnetic waves by an electron beam moving inside
a ring waveguide

SOURCE: IVUZ. Radiofizika, v. 8, no. 3, 1965, 552-560

TOPIC TAGS: phase recording, phase shift analysis, electromagnetic wave phenomenon,
waveguide propagation, waveguide transmission, cylindric wave harmonic analysis

ABSTRACT: An exact solution is obtained for the problem of electromagnetic wave ra-
diation that is produced during the movement of a monochromatic electron beam inside
a ring waveguide. The waveguide consists of an infinite periodic sequence of iden-
tical metaliic cylinders with a electron beam moving along the axis. In the analy-
sis a cylindrical system of coordinates is taken and it is assumed that the electron

Cord 1/3

UDC: 621.372.8.09

0902 010,

L 6350-66

ACC NR: AP5020368

beam consists of a continuously distributed charge with a complex amplitude. The electromagnetic field vectors are determined as functions of modified Bessel functions of the first and second kind. The final expressions for the electromagnetic field show that it has the nature of a symmetric E -wave. The field coefficients are obtained by subjecting the electric and magnetic field intensities to the boundary conditions at the surface of the ring waveguide. It is assumed that the tangential electric field approaches zero at the metallic rings and that the field is continuous at the slits. The coefficient of the external field is defined by a system of equations which has been encountered before in the investigation of electromagnetic wave diffraction by flat metallic screens. After transformations the solution is represented in the form of linear algebraic equations. The analysis of the radiation conditions shows that the electromagnetic field produced by the beam consists of an infinite number of spatial harmonics, each of specific frequency and phase velocity. The energy characteristics are established as the flux of complex power S passing through a unit surface area of the cylinder of radius ' r ' per unit time and averaged out over its length. Conditions for the first spatial resonance are considered. These are satisfied when the negative value of the first harmonic is radiated. Physically, this means that for the negative first harmonic, the field over a region of several periods does not depend on z and the radiation from the slit of

Card 2/3

L 6350-66

ACC NR: AP5020368

the waveguide is in phase. An expression is derived for the radiation energy when the first harmonic is negative. Orig. art. has: 36 formulas and 1 figure.

SUB CODE: EC,GP/ SUBM DATE: 09May64/ ORIG REF: 006/ OTH REF: 003

IIW

Card 3/3

TRET'YAKOV, O.A.; TRET'YAKOVA, S.S.; SHESTOPALOV, V.P.

Radiation of electromagnetic waves by an electron beam moving above
a diffraction lattice. Radiotekh. i elektron. 10 no.7:1233-1243 J1
'65. (MIRA 18:7)

ACC NR: AR7000890

SOURCE CODE: UR/0058/66/000/009/H033/H033

AUTHOR: Tret'yakova, S. S.

TITLE: Electromagnetic wave propagation in a ring waveguide using a dielectric

SOURCE: Ref. zh. Fizika, Abs. 9Zh240

REF SOURCE: Radiotekhnika. Resp. mezhved. nauchno-tekh. sb., vyp. 1, 1965,
36-41

TOPIC TAGS: electromagnetic wave, electromagnetic wave propagation,
dielectric waveguide

ABSTRACT: Wave propagation in a ring waveguide enclosed in or filled with
an isotropic dielectric is studied theoretically. A detailed analysis is made in the
first case, while only final expressions are given in the second. Field vectors are
presented in the form of a Fourier series on the basis of Bessel and Hankel
functions inside and outside the waveguide, respectively. The superposition of
boundary conditions on rings and in slots results in four infinite systems of
algebraic equations with respect to the coefficients of expansion. The use of
asymptotic representations of the Bessel functions makes it possible to represent

Card 1/2

ACC NR: AR7000890

these systems in a form which is easily reduced to the Riemann-Hilbert problem. The latter, when applied to the class of problems investigated, is solved by the method described in other articles (RZhFiz, 1962, 10Zh138; 1965, 3Zh299). As a result, a dispersion equation is derived from the condition that the determinant of the infinite system of equations, which is the solution of the Riemann-Hilbert problem, is equal to zero. The terms of the determinant contain factors which decrease with increase in the ordinal number of the term, and, as stated, makes it possible to limit the determinant to a finite number of terms. In the case of azimuthally homogeneous waves, transcendental equations are derived for E- and H-waves under the condition $kl/2\pi < 1$, where k is the constant of propagation in free space and l is the structure period. At the same time, the propagation constant appears in the arguments of the Bessel and Hankel functions and in the index of the Legendre functions. [Translation of abstract] [DW]

SUB CODE: 20/

Card 2/2

SAVCHENKO, Ye.D.; TRET'YAKOVA, T.A.

Morphological changes in the lungs during X-ray therapy. Med.
rad. 8 no.4:33-42 Ap'63 (MIRA 17s2)

1. Iz Nauchno-issledovatel'skogo rentgeno-radiolegicheskogo
instituta Ministerstva zdravookhraneniya RSFSR i 1-v kafedry
rentgenologii i radiologii (zav. - zaaluzhainyy d'yatel'
nauki prof. S.A. Reynberg) Tsentral'nog instituta usover-
shenstvovaniya vrachey.

SAVCHENKO, Ye.D. (Moskva, Zh-127, Pyatnitskaya ul.); TRET'YAKOVA, T.A.

Pathoanatomical and clinical x-ray changes appearing in the lungs
during radiotherapy of esophageal cancer. Vest. rent. i rad. 36
no.6:19-25 N-D '61. (MLRA 15:2)

1. Iz Nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta
(dir. - prof. I.G.Lagunova) Ministerstva zdravookhraneniya RSFSR i
1-y kafedry rentgenologii i radiologii (zav. - zasluzhennyy deyatel'
nauki prof. S.A.Reynberg) TSentral'nogo instituta usovershenstvovaniya
vrachey. (LUNGS—RADIOGRAPHY) (ESOPHAGUS—CANCER)

TRET'YAKOVA, T.A.

Changes in the lungs during radiotherapy for cancer of the
esophagus; clinical and roentgenological studies. Med.rad.
5 no.3:19-23 '60. (MIRA 13:12)
(ESOPHAGUS—CANCER) (LUNGS)

TRET'YAKOVA, T. A., CAND MED SCI, "CHANGES IN THE LUNGS
UNDER X-RAY THERAPY OF CANCER OF THE ESOPHAGUS." MOSCOW,
1961. (MIN OF HEALTH USSR, ~~FORSC~~ (CENTRAL SCI RES INST)
OF MEDICAL RADIOLOGY). (KL, 3-61, 236).

476

RUDERMAN, A.I., prof. (Moskva, Kutuzovskiy pr., d.29, kv.82); TRET'YAKOVA,
T.A., aspirant

Prevention and treatment of pulmonary reactions during the action of
ionizing radiations. Vest.rent.i rad. 34 no.5:19-23 S-0 '59.

(MIRA 13:3)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo rentgenoradiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. - dots. I.G. Lagunova) i kafedry rentgenologii i radiologii (zav. - zasluzhenny deyatel' nauki prof. S.A. Reynberg) TSentral'nogo instituta usovershenstvovaniya vrachey.

(RADIOTHERAPY complications)

(LUNGS radiation effects)

TRET'YAKOVA, T.A.

Clinical and roentgenological observations on pulmonary
tuberculoma; dispensary data. Probl.tub. 37 no.2:38-40
'59. (MIEA 12:9)

1. Iz dispansernogo sektora (zav. - prof.M.I.Oyfenbach)
Instituta tuberkuleza AMN SSSR (dir. Z.A.Lebedeva).
(TUBERCULOSIS, PULMONARY, pathol.
tuberculoma, clin. & x-ray picture (Rus))

TRET'YAKOVA, T.A.; GUSEVA, I.L.

Pulmonary reaction to γ -irradiation of patients with esophageal
cancer using Sr^{137} . Med. rad. 10 no.11:72-76 N '65.

(MIRA 19:1)

1. I-ya kaf'dra rentgenologii i radiologii (zav. - prof. S.A.
Reynberg) TSentral'nogo instituta usovershenstvovaniya vrachey,
Moskva. Submitted October 28, 1964.

Tret'yan Koval', V.A.

ASHBEL', S.I., professor; TRET'YAKOVA, V.A.

Unithiol for treating poisoning with mercury organic compounds.
(MLRA 10:4)
Vrach. delo no.1:5-8 Ja '57

1. Klinicheskiy otdel (zav.-prof. S.I. Ashbel') Gor'kovskogo instituta
gigiyeny truda i professional'nykh zabolеваний.
(MERCURY ORGANIC COMPOUNDS--TOXICOLOGY) (THIOLS)

TRET'YAKOVA, V.A.

"Results of the Therapy of Intoxications by Organic Mercury Compounds With Unithiol," by Prof S. I. Ashbel' and V. A. Tret'yakova, Clinical Division (head, Prof S. I. Ashbel'), Gorkiy Institute of Labor Hygiene and Occupational Diseases, Vrachebnoye Delo, Moscow, No 1, Jan 57, pp 6-7

The article reports results of the clinical use of unithiol, a sulphydryl compound, as an antidote in the therapy of occupational intoxication contracted by 22 workers who, while engaged in the production of granozan, came in contact with ethyl mercury and ethyl mercuric chloride, or were affected by the vapors of metallic mercury. In all cases the results were positive. Notwithstanding the fact that fairly large doses of unithiol were administered to the patients (up to 50 millimeters in the course of the treatment) the preparation was well tolerated by them. No toxic or damaging effects were noted. In this respect unithiol is superior to BAL, the foreign preparation which even in therapeutic doses is fairly toxic. (U)

64M-1322

ASHBEL', S.I., TRET'YAKOVA, V.A.

Circulation and deposition of mercury compounds in the organism;
Farm. i toks. 21 no.2:78-82 Mr-Ap '58 (MIRA 11:6)

1. Gor'kovskiy gosudarstvennyy nauchno-issledovatel'skiy institut
gigiyeny truda i profbolzeney.

(MERCURY, poisoning
deposition & circ. in various organs in fatal case
(Rus))

TRET'YAKOVA, V.A.

Use of exercise therapy for patients with writer's cramp.
Vop.kur.fizioter. i lech.fiz.kult. 23 no.4:310-312 Jl-Ag '58
(MIRA 11:8)

1. Is kafedry lechebnoy fizicheskoy kul'tury i vrachebnogo
kontrolya ordena Lenina Instituta usovershenstvovaniya vrachey
imeni S.M. Kirova, Leningrad (dir. - prof. N.I. Blinov).
(WRITERS' CRAMP)
(EXERCISE THERAPY)

TRET'YAKOVA, Valentina Aleksandrovna

[Exercise therapy for aftereffects of disorders of cerebral circulation] Lechebnaia fizicheskais kul'tura pri posledstviiakh narusheniiia mozgovogo krovoobrashcheniya. Leningrad, Medgiz,
1959. 41 p. (EXERCISE THERAPY) (BRAIN--BLOOD SUPPLY) (MIRA 13:9)

TRET'YAKOVA, V.A.

Exercise therapy for sequelae of vascular diseases of the brain.
Med. sestra 19 no.5:3-10 My '60. (MIRA 13:9)

1. Iz Leningradskoy gorodskoy bol'nitsy v pamyat' 25 Oktyabrya.
(EXERCISE THERAPY) (BRAIN--DISEASES)

ARONOVICH, Gedaliy Davydovich, prof.; OFFEL', Varvara Vladimirovna; TRET'YAKOVA, Valentina Aleksandrovna; SHVAREV, A.I., red.; BUGROVA, T.I., tekhn. red.

[Home care for patients with vascular lesions of the brain] Pomoshch' na domu bol'nym s sosudistymi porazheniami golovnogo mozga. Leningrad, Medgiz, 1963. 47 p.
(MIRA 17:1)

KIPERMAN, Grigoriy Yakovlevich; TRET'YAKOVA, V.N., red.

[Classification of the branches of the national economy
of the U.S.S.R.] Klassifikatsiya otraspeli narodnogo kho-
ziaistva SSSR. Moskva, Statistika, 1964. 74 p.
(MIRA 17:11)

RIZNIK, Anatoliy Yakovlevich; LITVAK, Samuil Levseyevich;
TRET'YAKOVA, V.N., red.

[Fuel and power balance of the U.S.S.R.; methods for
statistical development and analysis] Toplivno-
energeticheskii balans SSSR; metodologiya statisticheskoi
razrabotki i analiza. Moskva, Statistika, 1965. 149 p.
(MIRA 18:10)

TRET'YAKOVA, V.M.

Prevention of rickets. Sov.zdrav. 16 no.8:53-55 Ag '57. (MLRA 10:10)

1. Iz kafedry detskikh bolezney (zav. - prof. A.I.Titova) Yaroslavskogo meditsinskogo instituta. 2. Zaveduyushchaya detskoy pliklinikoy Kirovskogo rayona Yaroslavlye
(RICKETS, prev. and control
vitamin D in large doses)
(VITAMIN D, ther. use
prev. of rickets, admin. of large doses)

REMEZOVA, T.S.; TRET'YAKOVA, V.P.

Conditions of yeast reactivation following radiation injury. Zhur.
ob. biol. 22 no.2:120-127 Mr-Ap '61. (MIRA 14:5)

1. Institute of Microbiology, U.S.S.R. Academy of Sciences.
(YEAST) (X RAYS--PHYSIOLOGICAL EFFECT)

PA 245T9

TRET'YAKOVA, V. S.

USSR/Chemistry - Fuels, Propellents 11 Nov 52

"Catalytic Cracking as a Consecutive Chemical Reaction," G. M. Panchenkov and V. S. Tret'yakova, Moscow Petroleum Inst imeni I. M. Gubkina

"Dok Ak Nauk SSSR" Vol 87, No 2, pp 237-240

The reaction of catalytic cracking of hydrocarbons is considered in the light of its kinetics as an irreversible consecutive first-order reaction. A mathematical treatment of the subject is given. Presented by Acad A. V. Topchiyev 13 Sep 52.

245T9

PANCHENKOV, G.M.; TRET'YEKOVA, V.S.

Kinetics of a successive heterogeneous reaction of the first order
in a flow. Zhur.fiz.khim. 30 no.3:500-507 Mr '56. (MLRA 9:8)

1. Moskovskiy neftyanoy institut imeni I.M. Gubkina.
(Cracking process) (Chemical reaction, Rate of)

TRET'YAKOVA, V.Yu.

Binding paper. Standartizatsiia 27 no.2:48 F '63.
(MIRA 16:4)
(Bookbinding—Materials, etc.)

TRET'YAKOVA, V. Yu.

KOROTKOV, V.S., inzh.; TRET'YAKOVA, V.Yu., inzh.

Producing semichemical and chemical woodpulp from birch chips.
(MIRA 11:3)

Dum. prom. 33 no.2:14-17 F '58.

1. Nachal'nik eksperimental'nogo tsentral'nogo Svetogorskogo tsnellyulozno-bumazhnogo kombinata (for Korotkov). 2. Nachal'nik issledovatel'skoy laboratorii Svetogorskogo tsnellyulozno-bumazhnogo kombinata (for Tret'yakova).

(Woodpulp) (Birch)

ACCESSION NR: AP5012030

UR/0371/65/000/001/0066/0067

16

SOURCE: **Gebotekhnika**, no. 1, 1965, 66-67

REF ID: A6512030

L 52578-65

ASSOCIATION: Fiziko-tehnicheskiy institut po issledovaniyam i vyuzyvaniyu sverkhvysokikh temperatur
Leningrad, SSSR

SUBMITTED: 15 Nov 64 ENCL: 00 SUB CODE: EE

9/2
CIA 2/2

THET' YAKOVA, Ye.N., klinicheskiy ordinator

Osseous metastases in so-called benign goiter. Vest.rent. i rad.
no.5:82-83 S-0 '54. (MLRA 7:12)

1. Iz rentgeno-diagnosticheskogo otdeleniya (zav. starshiy nauchnyy
sotrudnik V.Yu.Aringsayev) Kiyevskogo rentgeno-radiologicheskogo i
onkologicheskogo instituta (dir. prof. I.T.Shevchenko)

(THYROID GLAND, neoplasms,
metastases to bones)

(BONES, neoplasms,
metastases from thyroid)

Name: TRET'YAKOVA, Yevgeniy Nikolayevna

Dissertation: Materials for the Pathogenesis and
clinic of rheumatism (clinical-experimental study)

Degree: Doc Med Sci

Affiliation: Bashkir State Med Inst

Defense Date, Place: 4 Apr 56, Council of Tomsk State Med
Inst

Certification Date: 1 Jun 57

Source: RMVO 16/57

TRET'YAKOVA, Yelena Nikolayevna, prof.; POPOVA, L.A., red.

[Prevention of chronic pneumonia in children] Preduprezh-
denie khronicheskogo vospalenija legkikh u detei. Moskva,
Meditina, 1964. 30 p. (MIRA 18:11)

TRET'YAKOVA, Ye.N., prof.

Development of chronic nonspecific diseases of the lungs in children
and their climatological treatment. Med. sestra 21 no.5:18-24 My '62.
(MIRA 15:5)

1. Iz kafedry detskikh bolezney Bashkirskogo gosudarstvennogo meditsinskogo instituta.

(LUNGS--DISEASES) (CLIMATOLOGY, MEDICAL)

TRET'YAKOVA, Yevgeniya Nikolayevna, prof.; KOBYSHEVA, Nina Vladimirovna;
DMITRIYEVA, N.M., red.; ZAKHAROVA, A.I., tekhn. red.

[Chronic nonspecific diseases of the lungs in children and their
climatological treatment] Khronichekie nespetsificheskie zabol-
vania legkikh u detei i ikh klimaticheskoe lechenie. Moskva, Med-
giz, 1960. 200 p. (MIRA 14:12)
(LUNGS—DISEASES) (CLIMATOLOGY, MEDICAL)

TRAT'YAKOVA, Ye. N.

TRAT'YAKOVA, Ye. N. -- "Material on the Pathogenesis and Clinical Aspects of Rheumatism (Clinical-Experimental Investigation)." Min Health USSR. Tomsk State Medical Inst imeni V. M. Molotov. Tomsk, 1955. (Dissertation for the Degree of Doctor of Medical Sciences)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

TRET'YAKOVA, Ye.N., prof.; GATAULINA, L.D., kand.med.nauk; IL'INA, V.T.;
PANTELEYEVA, A.P.; SMIRNOVA, L.K.; ABDURASHITOVA, Kh.Sh.

Distribution of rheumatic fever among the school children of
Ufa. Vop.revm. 3 no.1:66-70 Ja-Mr '63. (MIRA 16:4)

1. Iz kafedry detskikh bolezney (zav. - prof. Ye.N.Tret'yakova)
Bashkirskogo meditsinskogo instituta i Detskoj klinicheskoy
bol'nitsy No.3 (glavnnyy vrach A.I.Vetsler) goroda Ufy.
(UFA--RHEUMATIC HEART DISEASE)

TRET'YAKOVA, Z. V.

TRET'YAKOVA, Z. V. -- "The Structure and Innervation of the Eustachian Tube." Min Health RSFSR. Moscow Medical Stomatological Inst. Moscow, 1956. (Dissertations for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R001756610006-9"

CHISTYAKOVA, A.M., kand.med.nauk, VORTMAN, M.G., старший лаборант,
ТРЕТЬЯКОВА, Я.И., лаборант

Protein content of diets in pulmonary tuberculosis [with summary
in French]. Probl.tub. 36 no.5:49-58 '58 (MIRA 11:8)

1. Iz kafedry gigiyeny pitaniya Stalinskogo meditsinskogo instituta
i iz kafedry gigiyeny pitaniya Leningrad'skogo sanitarno-gigienicheskogo
meditsinskogo instituta.

(TUBERCULOSIS, PULMONARY, ther.
diets, protein composition (Rus))

(DIET, in var. dis.
pulm. tuberc., protein composition (Rus))

(PROTEIN, metab.
requirements in pulm. tuberc. (Rus))

LUKOV, B.N., prof. (Kuybyshev); PETROV, V.I., dotsent (Moskva); PAVLENKO, T.M., aspirant (Moskva); YERMOLAYEV, V.G., prof. (Leningrad); ADO, A.D., prof.; VOVSI, M.S., prof.; YERMOLAYEV, V.G., prof. (Leningrad); KUPRIANOVA, N.A. (Kazan'); PETROV, G.I. (Moskva); DOLGOPOLOVA, A.V. (Moskva); SAKHAROV, P.P., prof.; BYKHOVSKIY, Z.Ye., prof.; MIN'KOVSKIY, prof. (Chelyabinsk); KHMELOCHONOK, I.P. (Irkutsk); TEMKIN, Ya.S., prof. (Moskva); MIN'KOVSKIY, A.Kh., prof. (Chelyabinsk); MIL'SHTEYN, T.N., doktor med.nauk (Leningrad); TRUTNEV, V.K., zasluzhenny deyatel' nauki, prof.; TSYRESHKIN, B.D., kand.med.nauk (Moskva); SOBOL', I.M., prof. (Stavropol'); TURIK, G.M. (Moskva); FRENKEL', M.M. (Moskva); MAZO, I.L.; POKRYVALOVA, K.P.; PROSKURYAKOV, S.A., prof.; ATKARSKAYA, A.A., prof.; GOL'DFARB, I.V., prof. (Lhevsk); PORUBINOVSKAYA, N.M. (Moskva); RUDNEV, G.P., prof.; VOL'FSON, I.Z., prof. (Stalingrad); DOROSHENKO, I.T., prof. (Kalinin); ROZENFEL'D, M.O., prof. (Leningrad); SHUL'GA, A.O., prof. (Orenburg); MIKHLIN, Ye.G., prof.; TRET'YAKOVA, Z.V. (Moskva); MANUYLOV, Ye.N., prof. (Moskva); DOROSHENKO, I.T., prof. (Kalinin); YERMOLAYEVA, V.G., prof.

Speeches in the discussion. Trudy gos. nauch.-issl. inst. ukha, gorla i nosa no.11:79-87,129-146,179-186,233-248,311-333 '59.
(MIRA 15:6)

1. Chlen-korrespondent AMN SSSR (for Ado). 2. Direktor Moskovskogo gosudarstvennogo instituta ukha, gorla i nosa (for Trutnev).
(OTORHINOLARYNGOLOGY—CONGRESSES)

Tretyanov, A. V.

USSR/ Engineering - Structural tests

Card 1/1 Pub. 128 - 3/34

Authors : Tselikov, A. I., and Tretyanov, A. V.

Title : The calculation of the metal pressure on rollers during its cold rolling by taking into account the stress and cold-hardening of metal

Periodical : Vest. mash. 12, 10-12, Dec 1954

Abstract : Formulas for calculating the stress and cold-hardening of metals and the influence of the above mentioned characteristics on the pressure of metal during its cold-rolling process are given. Four USSR references (1939-1951). Table; diagrams; graphs.

Institution :

Submitted :

TRET'YEKOV, Nikolay Pavlovich; doktor sel'skogo nauchnogo isledovaniya, V.A.
red.

[Poultry industry] Indusriya ptitsevodstva. Moskva, Zinat-
nie, 1965. 29 p. (Novye v nauchniy, nochnye, tekhnicheskie. V Serii:
Sel'skoe khoziaistvo, no.22) (MIRA 18070)

TRET'YEKOV, S.

Production line for small glazed cheeses. Moloch. prom. 18 no.4:
25-26 '57. (MILRA 10:4)

1. Moskovskiy molochnyy zavod.
(Dairy industry--Equipment and supplies)
(Cheese)

TRET'YUKHIN, A.A.

Refrigerator unit on "Aragvi"-type ships. Inform. sbor. T3NIIMP no.73.
Tekh. ekspl. mor. flota no.13:18-40 '62. (MIRA 16:3)
(Cold storage on shipboard)

TRET'YUKHIN V.A.

Academicheskaia nauka SSSR. Institut elektronnykh upravlyayushchikh mashin
Tsifrovaya tekhnika i vychislitel'naya ustroystvostvo. [Sbornik]
(Digital Technique and Computing Devices; Collection of Articles)
Nauchno-Izdatel'stvo AN SSSR, 1959. 184 p. Errata slip inserted.
4,000 copies printed.

Ed.: M.S. Brok. Corresponding Member, USSR Academy of Sciences;
Ed. of Publishing House: G.Yu. Shchyrbok; Tech. Ed.: V.V. Vol'khov.

PURPOSE: This collection of articles is intended for persons specializing in computer technique.

COVERAGE: Most of the work in this first issue of the Collection of Articles of the Institute of Electronic Control Machines of the Academy of Sciences, USSR, was carried out during 1958-1959, and was dedicated to digital technique. The Institute conducted studies aimed at creating a high-speed memory device of large capacity. One of the results of this work was improvement of the magnetic computer by replacing its static storage device with ferrite cores. Other articles concern the use of transistors in digital computers, stability of analog computers equipped with digital operational amplifiers, and the use of the M-2 computer in solving various problems. Future issues of this collection will present the results of work in digital techniques. The articles will present the problems of electronic voltage regulation in machine calculations, and in control machines and systems of computers which operate on the principle of digital techniques. Some personal notes are mentioned in the articles. References accompany some of the articles.

Gol'man, Z.B., and I.A. Bochek. Calculation of Reactive Power for Long-Distance Transmission Lines With Electronic Self-Excited Digital Computers. 128
The authors describe the procedure adopted for this calculation, which was made with the M-2 computer. There are 7 references, all Soviet.

Korobko, Z.B., and I.A. Bochek. Calculation of the Distribution of Reactive Power in Long-Distance Transmission Lines With Electronic Self-Excited Digital Computers. 137
The authors describe the procedure adopted for this calculation, which was made with the M-2 computer. There are 7 references, all Soviet.

Bartenev, M.O. Conversion of Continuous Electrical Quantities Into Digital Codes. 150
The author discusses the conversion of continuously variable analog electrical quantities into digital codes which express these quantities by means of discrete electric states. He presents in tabular form conversion methods or converter types together with the characteristics of each method or type. There are 8 references: 3 Soviet (one of which is a translation) and 5 English.

Brud'ko, A.L., and Yu.A. Tsvetkov. Operation of the M-2 Electronic Digital Computer [Brief Report]. 168
This is a report concerning the operation of the M-2 and results obtained from it in the period 1955-1958.

Farkash, M.A., V.D. Enyseyev, and V.P. Kuznetsov. High-Speed Electrotacit Printing Device. 175
The authors describe an experimental model of an electrostatic parallel printing device developed at the Laboratory in 1956-1957. The printing rate is 300 lines per sec.

Rozhdestvenskii, M.O., and V.A. Tret'yukhin. Ferrite-Transistor Triggers. 179
The authors describe the trigger device which they developed at the Laboratory. They compare it with a similar one-transistor trigger described in the IEE Proceedings, 1956, No. 3, summary of the disadvantages of this particular trigger and the advantages of their trigger. There is one English reference.

Quirkner, E.I. Decimal Counter Equipped With Ferrite-Transistor Triggers. 183
The author describes a counter in which the four column scheme of a binary counter with feedback was applied. This counter may find application as an integrating device for decimal frequency division in systems of pulse automation and computing, and also in nuclear electronics.

KOLDYSHEVA, V.A. (Moskva); TRET'YUKHINA, N.I. (Moskva)

Work organization in finishing shops. Shvein. prom. no.4:
(MIRA 16:6)
13-15 Jl-Ag '62.

(Clothing industry)

TREUGAFT, Ye.M.

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